

WORLD INTELLECTUAL PROPERTY ORGANIZATION International Bureau



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6:

A61B 5/00

(11) International Publication Number:

WO 99/27849

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PCT/US98/25850

A1

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4 December 1998 (04.12.98)

(30) Priority Data:

60/067,499

4 December 1997 (04.12.97)

US

(71)(72) Applicants and Inventors: BATMAN, Carol, [US/US]; 5318 Ochs Avenue, Indianapolis, IN 46254 (US). BYRD, Nancy, Kennedy [US/US]; 9758 Chaldean Circle, Fishers, IN 46038 (US). DISHOP, Timothy, L [US/US]; 4924 Long Canon Place, Fort Wayne, IN 46804 (US). DZADO, Michael, Daniel [US/US]; 1754 CR 60, Garrett, IN 46738 (US). HENDERSON, Les. G. [US/US]; 6345 East 226th Street, Cicero, IN 46034 (US). HOPKINSON, Patricia, A. [US/US]; HRC #1, Box 11, Lake Placid, NY 12946 (US). MOAK, Stephen, E. [US/US]; 411 Inwood Drive, Fort Wayne, IN 46815 (US) PARKER, James, R. [US/US]; 10807 Weston Drive, Carmel, IN 46032-9321 (US). POLASKI, Frank, M. [US/US]; 10732 Current Cove, Fort Wayne, IN 46845 (US) SHEARER, Atwell, R. [US/US]; P.O. Box 165, Rome City, IN 46784 (US). TETZLAFF, Tracy, L [US/US]; Apartment 106, 5607 Elmer Street, Pittsburgh, PA 15232 (US).

(74) Agent: CONARD, Richard, D.; Barnes & Thornburg, 11 South Meridian Street, Indianapolis, IN 46204 (US).

(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published

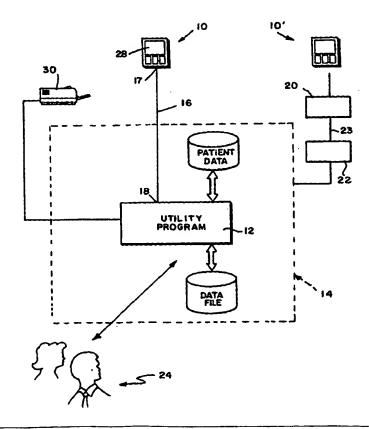
With international search report.

Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

(54) Title: INSTRUMENT SETUP UTILITY PROGRAM

(57) Abstract

A method of configuring a hand-held instrument (10) for determining the concentration of a medically significant component of a body fluid or a control comprises providing a configuring computer (14) having a first port (18) for transmitting instructions and data for configuring the instrument (10), providing on the instrument (10) a second port (17) for receiving the instructions and data from the configuring computer (14), coupling the first port (18) to the second port (17), transmitting instructions and data to configure the instrument (10) from the first port (18), receiving the instructions and data at the second port (17), and configuring the instrument (10) according to the instructions and data transmitted from the first port (10) and received at the second port (17).





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BY	Belarus	IS	Iceland	MW	Malawi	US	United States of Americ
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CM	Cameroon	r.c	Republic of Korea	PL	Poland		
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cz	*	LC	Saint Lucia	RU	Russian Federation		
4	Czech Republic	LI	Liechtenstein	SD	Sudan		
DE	Germany	LK	Sri Lanka	SE	Sweden		
DK	Denmark			SG	Singapore		
EE	Estonia	LR	Liberia	30	Singapore		

INTERNATIONAL SEARCH REPORT

International application No. PCT/US98/25850

US CL. :	128/630 International Patent Classification (IPC) or to both na	ational classification and IPC			
	DS SEARCHED				
	ocumentation searched (classification system followed t	oy classification symbols)			
	128/630, 128/695, 128/770, 128/202.22, 395/275, 25				
	ion searched other than minimum documentation to the e	remethat such documents are included	in the fields searched		
Documentati	ion searched other than minimum documentation to the e.	ACCIT CHAIR SUCH COCCURACION AND INCIDENCE	in the floors sentence		
Electronic d	ata base consulted during the international search (nam	ne of data base and, where practicable	, search terms used)		
APS, Inte	ernet				
C. DOC	UMENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where app	ropriate, of the relevant passages	Relevant to claim No.		
Y	US 5,361,336 A (ATCHISON) 01 Nove line 66-68, col 4line 29, col 6 line 42	ember 1994, abstract, col 2	1-32		
Y	US 5,606,164 A (PRICE) 25 February	y 1997, abstract	1-32		
Y	US 5,619,991 A (SLOANE) 15 April 1997 col 6 line 15, col 8 line 1-32 46, 59				
A	US 5,630,664 A (FARRELLY) 20 May	1-32			
A	US 4,637,403 A (GARCIA ET AL) 20	January 1987	1-32		
A,P	US 5,724,983 A (SELKER ET AL) 10) March 1998	1-32		
X Furt	ther documents are listed in the continuation of Box C.	See patent family annex.			
t .	special categories of cited documents:	"T" later document published after the in date and not in conflict with the app the principle or theory underlying the	olication but cited to understand		
•	o be of particular relevance	*X* document of particular relevance; t	he claimed invention cannot be		
E earlier document published on or after the international filing date considered novel or cannot be considered to when the document is taken alone					
cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other document of particular relevance; the claimed invention cannot considered to involve an inventive step when the document combined with one or more other such documents, such combinations are combined with one or more other such documents.					
1 1	being obvious to a person skilled in the art				
the priority date claimed					
	Date of the actual completion of the international search O8 APRIL 1999 Date of mailing of the international search report 11 MAY 1999				
Commis	d mailing address of the ISA/US sioner of Patents and Trademarks	Authorized officer	B. Matthews		
Box PC Washing	F ston, D.C. 20231	Authorized officer ASTA, FRANK JANUA A MITHERESE Telephone No. (703) 305-3817			
Faccimile	No. (703) 305-3230	Telephone No. (703) 305-3817	Telephone No. (703) 305-3817		

INTERNATIONAL SEARCH REPORT

International application No. PCT/US98/25850

C (Continua	tion). DOCUMENTS CONSIDERED TO BE RELEVANT	
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5,368,562 A (BLOMQUIST ET AL), 29 November 1994	1-32
A,P	US 5,735,285 (ALBERT ET AL), 07 April 1998	1-32
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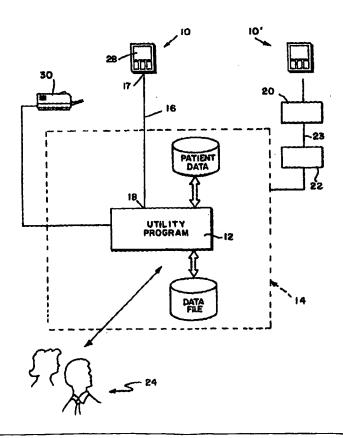
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WIP	0	PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 5727-29185	FOR FURTHER ACTION		ation of Transmittal of International Examination Report (Form PCT/IPEA/416)			
International application No.	International filing date (day/ mo	· · · · · · · · · · · · · · · · · · ·	Priority date (day/month/year)			
PCT/US98/25850	04 DECEMBER 1998	,	04 DECEMBER 1997			
International Patent Classification (IPC) of IPC(6): A61B 5/00 and US Cl.: 128/	nr national classification and IPC					
Applicant BATMAN, CAROL JANE						
This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.						
2. This REPORT consists of a	total of sheets.					
been amended and are the (see Rule 70.16 and Section 1)	e basis for this report and/or she ion 607 of the Administrative l	eets containing	iption, claims and/or drawings which have grectifications made before this Authority. Inder the PCT).			
These annexes consist of a to	tal of sheets.					
3. This report contains indication	s relating to the following ite	ms:				
I X Basis of the repor	t					
II Priority						
III Non-establishment of report with regard to novelty, inventive step or industrial applicability						
IV Lack of unity of	invention					
	nt under Article 35(2) with regulations supporting such statem		, inventive step or industrial applicability;			
VI X Certain documents	cited					
VII Certain defects in t	he international application					
VIII Certain observation	s on the international application	on				
Date of sub-sission of the desired	Data	of completion	of this report			
Date of submission of the demand	Date	of completion	or this report			
09 JUNE 1999 21 JANUARY 2000			.000			
Name and mailing address of the IPEA/U	JS Autho	orized officer				
Commissioner of Patents and Tradem Box PCT Washington, D.C. 20231	arks A	STA FRANK	James R. Matthews			
Facsimile No. (703) 305-3230	Telep	hone No. (7	03) 305-3817			

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.
PCT/US98/25850

I. Basis of	the report					
This report has	as been drawn on the	basis of (Substitute sheets white	ch have been furnished to the receiving Office in response to an invitation			
under Artide 14 are referred to in this report as "originally filed" and are not annexed to the report since they do not contain amendments):						
X	the international	l application as origina	ally filed.			
X	the description,	pages 1-15	_ , as originally filed.			
		pages NONE	, filed with the demand.			
			, filed with the letter of			
		pages	, filed with the letter of			
x	the claims,	Nos. <u>1-32</u>	, as originally filed.			
		Nos. NONE	_ , as amended under Article 19.			
			_ , filed with the demand.			
			, filed with the letter of			
		Nos	_ , filed with the letter of			
x	the drawings,	sheets/fig 1-44	, as originally filed.			
		sheets/fig NONE	, filed with the demand.			
		sheets/ fig NONE	, filed with the letter of			
		sheets/ fig	, filed with the letter of			
2. The amend X X X	the description,	pages NONE Nos. NONE sheets/fig NONE	 			
	and did wings,					
This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box Additional observations below (Rule 70.2(c)). 4. Additional observations, if necessary:						
NONE	ar observations, i	,, .				



International application No.
PCT/US98/25850

V.	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
1	STATEMENT

FATEMENT			
Novelty (N)	Claims	1-32	YES
	Claims	NONE	NO
Inventive Step (IS)	Claims	NONE	YES
	Claims	1-32	NO
Todosaid Ameliaskilias (TA)	Claims	1-32	YES
Industrial Applicability (IA)	Claims	NONE	NO NO
•			

2. CITATIONS AND EXPLANATIONS

Calims 1-32 lack an inventive step under PCT Article 33(3) as being obvious over Farrelly (US 5,630,664) inview of Price et al (US 5,606,164).

As per claim 1, Farrelly taught a hand-held instrument for determining the concentration of a medically significant component of body fluid such as controlable electronic instrument (col 2 line 55); the steps of providing a configuring computer having a first port or signal port (col 8 line 3) for transmitting at least one os instructions and data for configuring the instrument (col 5 line 50); the second port or data port (col 10 line 10).

As per claims 2, 3 and 4, Farrelly taught the steps of providing a configuring computer having a first port for transmitting instructions for configuring the instrument (col 8 line 3, col 5 line 50).

Claims 3,6,7,11-16,,26-32 contain the similar limitation as claims 1 and 2. Therefore claims 3,6,7,11-16,26-32 lack an inventive step as being obvious over Farrelly.

Claims 17-19 contain the similar limitation as claim 4.

As per claim 5, Farrelly taught the display (col 8 line 12).

As per claims 6, 23-25, Farrelly did not teach a display in formation related to the determined concentration of a medically significant component of a body fluid from the instrument or first port to computer or second port and updating a computer file. However Price et al, in his method and apparatus for Biological fluid analyte concentration measurement using generalized distance outlier detection, taught an apparatus for biological fluid analyte concentration measurement (Price col 8 line 55). Therefore, it would have been obvious to one having ordinary skill in the art at the time invention was made to incoporate the apparatus which analyte or determine concentration of body fluid taught by Price into the Farrelly's hand-held device in order to ultilize the communication between the computer control the data from body fluid to hand held device.

As per claims 8-10, Farrelly-Price taught the computer of hand held computer (Farrelly col 2line 1) and updating or modification (Farrelly col 16 line 64).

As per claims 29 and 30, Farrelly -Price taught the body fluid (Continued on Supplemental Sheet.)



VI. Certain documents cited

US, A, 5,619,991

1. Certain published documents (Rule 70.10)					
Publication Date (day/ month/year)	Filing Date (day/ month/ year)	Priority date (valid claim) (day/ month/ year)			
25 FEBUARY 1997	16 JANUARY 1996	NONE			
20 MAY 1997	20 DECEMBER 1995	NONE			
01 NOVEMBER 1994	21 NOVEMBER 1991	NONE			
29 NOVEMBER 1994	30 JULY 1993	NONE			
20JANUARY 1987	14 JUNE 1985	08 APRIL 1985			
	Publication Date (day/month/year) 25 FEBUARY 1997 20 MAY 1997 01 NOVEMBER 1994 29 NOVEMBER 1994	Publication Date (day/ month/year) Filing Date (day/ month/year) 25 FEBUARY 1997 16 JANUARY 1996 20 MAY 1997 20 DECEMBER 1995 01 NOVEMBER 1994 21 NOVEMBER 1991 29 NOVEMBER 1994 30 JULY 1993			

26 APRIL 1995

2.	Non-written disclosures (Rule 70.9)

15 APRIL 1997

Kind of non-written disclosure

Date of non-written disclosure (day/month/year)

Date of written disclosure referring to non-written disclosure (day/ month/ year)

NONE



Sheet 10

Supplemental Box

Continuation of: Boxes I - VIII

(To be used when the space in any of the preceding boxes is not sufficient)

V. 2. REASONED STATEMENTS - CITATIONS AND EXPLANATIONS (Continued): such as blood (Price col 1 line 42); fiber optic and modem as the inherent features of hand held computer.

US 5,570,682 A (JOHNSON) 05 November 1996 US 4,696,309 A (STEPHAN) 29 September 1987 US 4,383,534 A (PETERS) 17 May 1983



(BL 03/03/05) PCT/US98/258:

PATENT COOPERATION TREATY 09/555718

PCT	From the INTERNATIONAL BUREAU To:					
NOTIFICATION OF THE RECORDING OF A CHANGEMAR 23 2000 (PCT Rule 92bis 1 and 2 THORNBURG Administrative instructions) Section 1229	CONARD, Richard, D. Barnes & Thornburg 11 South Meridian Street Indianapolis, IN 46204 ÉTATS-UNIS D'AMÉRIQUE					
Date of mailing (day/month/year) 07 March 2000 (07.03.00)						
Applicant's or agent's file reference 5727-29185	IMPORTANT NOTIFICATION					
International application No. PCT/US98/25850	International filing date (day/month/year) 04 December 1998 (04.12.98)					
The following indications appeared on record concerning: The applicant The following indications appeared on record concerning: The following indications appeared on record concerning:	the agent the common representative					
Name and Address DZADO, Michael, Daniel 1754 CR 60 Garrett, IN 46738 United States of America	State of Nationality US US Telephone No. Facsimile No. Teleprinter No.					
The International Bureau hereby notifies the applicant that to the name the additional than the addit						
Name and Address	State of Nationality State of Residence					
···	Telephone No.					
An Antonio	Facsimile No. Teleprinter No.					
3. Further observations, if necessary: the applicant/inventor has been deleted from the record.						
4. A copy of this notification has been sent to: X the receiving Office the International Searching Authority the International Preliminary Examining Authority	the designated Offices concerned X the elected Offices concerned other:					
The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No.: (41-22) 740.14.35	Authorized officer F. Gateau Telephone No.: (41-22) 338.83.38					

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DO/EO BIBLIOGRAPHIC DATA ENTRY

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IA NUMBER: PCT/	US98 / 25	5850	IA	FILING	DATE:	12 /	04 /	7 98
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GIVEN NAME:	CAROL JAME	n. n	DE	MAND REC	EIVED (Y	7N):		M
PRIORITY CLAIMED	(Y/N):	Υ	PF	RIORITY D	ATE:	12 /	04 /	97
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ATTORNEY DOCKET N	ILIMBER:	5727-65998	00	MNTRY:				
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					FAX			

NAME:

RICHARD D CONARD BARNES & THORNBURG

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CITY: INDIANAPOLIS

>STATE/COUNTRY: IN ZIP: 46204

EMAIL:

APPLICATION TITLES:

INSTRUMENT SETUP UTILITY PROGRAM

TAB TO LAST POSITION, PUSH SEND

U.S. Appl. No. 0 9 / 5 5 5 7 8 International Appl. No.

International Appl. No. 4598 / 25850

Application filed by: 20 months 2 30 months				
WIPO PUBLICATION INFORMATION:				
Publication No.: WO 99 / 27849 Publication Language: English Japanese Screening Done by	:			
Publication Date: June 10, 1999 Not Published: U.S. only designated EP request 440				
INTERNATIONAL APPLICATION PAPERS IN THE APPLICATION FILE :				
International Application (RECORD COPY) International Appl. on Double Sided Paper (COPIES MAI	DE)			
Article 19 Amendments				
PCT/ISA/210 - Search Report				
PCT/IPEA/409 IPER (PCT/IPEA/416 on front) Search Report References				
Annexes to 409 Other: 306				
Priority Document (s) No				
RECEIPTS FROM THE APPLICANT (other than checked above):				
Basic National Fee (or authorization to charge) Preliminary Amendment(s) Filed on: 1. June 2, 2020 3.				
Description Information Disclosure Statement(s) Filed on: 1				
Claims				
Words in the Drawing Figure(s) Power of Attorney/ Change of Address				
Article 19 Amendments Substitute Specification Filed on:				
☐ english transl. of annexes NOT present 1 2				
not a page for page substitution Verified Small Status Statement (executed)				
Oath/ Declaration (executed)				
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NOTES: LA. used as Specification Other:	ī			
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June 2, 200	\dashv			
Jan 1d,	ᅴ			
Date of Completion of requirements under 35 U.S.C. 371 Jan 12, 2001	\dashv			
102(e) Date Jun 12, Jul 1	4			
Date of Completion of DO/EO 906 - Notification of Missing 102(e) Requirements				
Date of Completion of DO/ EO 907 - Notification of Acceptance for 102(e) Date	4			
Date of Completion of DO/EO 911 - Application Accepted Under 35 U.S.C. 111				
Date of Completion of DO/EO 905 - Notification of Missing Requirements (a/29/00) Date of Completion of DO/EO 916 - Notification of Defective Response	\dashv			
	\dashv			
Date of Completion of DO/EO 903 - Notification of Acceptance April 8, 202	\dashv			
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FNT COOPERATION TREATY Express Mail No

From the INTERNATIONAL PRELIMINARY INING AUTHORITY





To: RICHARD D. CONARD **BARNES & THORNBURG** 11 SOUTH MERIDIAN STREET INDIANAPOLIS, IN 46204

PCT

NOTIFICATION OF TRANSMITTAL OF INTERNATIONAL PRELIMINARY **EXAMINATION REPORT**

(PCT Rule 71.1)

Date of Mailing (day/month/year)

09 FEB 2000

Applicant's or agent's file reference

5727-29185

IMPORTANT NOTIFICATION

International filing date (day/month/year)

Priority Date (day/month/year)

PCT/US98/25850

International application No.

04 DECEMBER 1998

04 DECEMBER 1997

Applicant

BATMAN, CAROL JANE

BARNES & THORNBURG

- The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the 1. international preliminary examination report and its annexes, if any, established on the international application.
- A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication 2. to all the elected Offices.
- Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translation to those Offices.

4. REMINDER

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices)(Article 39(1))(see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide.

Name and mailing address of the IPEA/US

Commissioner of Patents and Trademarks

Washington, D.C. 20231

Facsimile No. (703) 305-3230

Authorized officer

FRANK ASTA

Telephone No.

James R. Matthews

Form PCT/IPEA/416 (July 1992) *



INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 5727-29185	FOR FURTHER ACTION	CTION See Notification of Transmittal of Internation Preliminary Examination Report (Form PCT/IPEA/41)		
International application No.	International filing date (day	te (day/ month/year) Priority date (day/ month/year)		
PCT/US98/25850	04 DECEMBER 1998		04 DECEMBER 1997	
International Patent Classification (IPC) or national classification and IPC IPC(6): A61B 5/00 and US Cl.: 128/630, 671,,200.14,762				
Applicant BATMAN, CAROL JANE				
This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.				
2. This REPORT consists of a	total of sheets.			
been amended and are the (see Rule 70.16 and Section 1)	e basis for this report and/or tion 607 of the Administrati	r sheets containin	ription, claims and/or drawings which have g rectifications made before this Authority. nder the PCT).	
These annexes consist of a to	stal of sheets.			
3. This report contains indication	s relating to the following	g items:		
I X Basis of the repo	rt			
II Priority	FER 1 4 2000		FEB 1 4 2000	
III Non-establishment of report with regard to novelty, inventive step or industrial applicability		ve step or industrial applicability		
IV Lack of unity of	invention		BALINES & THORNBURG	
V X Reasoned stateme citations and expla	nt under Article 35(2) with anations supporting such sta	regard to novelt atement	y, inventive step or industrial applicability;	
VI X Certain documents	cited			
VII Certain defects in	the international application	ı		
VIII Certain observation	ns on the international appli	ication		
			·	
Date of submission of the demand	Γ	Date of completion	of this report	
09 JUNE 1999		21 JANUARY	2000	
Name and mailing address of the IPEA/		uthorized officer		
Commissioner of Patents and Traden Box PCT Washington, D.C. 20231	narks	ASTA FRANK James R. Matthews		
Facsimile No. (703) 305-3230	Telephone No. (703) 305-3817		703) 305-3817	

1.	Basis of t	he report		
1 7	his report has	been drawn on the	basis of (Substitute sheets which	h have been furnished to the receiving Office in response to an invitation
			application as origina	not annexed to the report since they do not contain amendments):
	X			
	X	the description,		_ , as originally filed.
				_ , filed with the demand.
				_ , filed with the letter of , filed with the letter of
			pages	_ , filed with the letter of
	$\overline{\mathbf{x}}$	the claims,	Nos. <u>1-32</u>	
				, as amended under Article 19.
				, filed with the demand.
				, filed with the letter of
			Nos.	, filed with the letter of
	x	the drawings,	sheets/fig 1-44	, as originally filed.
				, filed with the demand.
				, filed with the letter of
			sheets /fig	, filed with the letter of
2.	The amend	lments have resul	ed in the cancellation of	f:
	x	the description	pages NONE	
	_		NONE	
	X	the claims,	Nos.	·
	X	the drawings,	sheets/fig NONE	
				and a standard bear made since they have been considered
3.	Thi	s report has been on the discl	established as if (some of osure as filed, as indicated	the amendments had not been made, since they have been considered in the Supplemental Box Additional observations below (Rule 70.2(c)).
	to g	o beyond are dise.	554. 6 45 5 2,	
4.	Additiona	al observations, i	f necessary:	
į.	NONE			

v.	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability;
	citations and explanations supporting such statement

1.	STATEMENT		· .	
	Novelty (N)	Claims	1-32	YES
		Claims	NONE	NO
	Inventive Step (IS)	Claims	NONE	YES
		Claims	1-32	NO
	Industrial Applicability (IA)	Claims	1-32	YES
		Claims	NONE	NO

2. CITATIONS AND EXPLANATIONS

Calims 1-32 lack an inventive step under PCT Article 33(3) as being obvious over Farrelly (US 5,630,664) inview of Price et al (US 5,606,164).

As per claim 1, Farrelly taught a hand-held instrument for determining the concentration of a medically significant component of body fluid such as controlable electronic instrument (col 2 line 55); the steps of providing a configuring computer having a first port or signal port (col 8 line 3) for transmitting at least one os instructions and data for configuring the instrument (col 5 line 50); the second port or data port (col 10 line 10).

As per claims 2, 3 and 4, Farrelly taught the steps of providing a configuring computer having a first port for transmitting instructions for configuring the instrument (col 8 line 3, col 5 line 50).

Claims 3,6,7,11-16,,26-32 contain the similar limitation as claims 1 and 2. Therefore claims 3,6,7,11-16,26-32 lack an inventive step as being obvious over Farrelly.

Claims 17-19 contain the similar limitation as claim 4.

As per claim 5, Farrelly taught the display (col 8 line 12).

As per claims 6, 23-25, Farrelly did not teach a display in formation related to the determined concentration of a medically significant component of a body fluid from the instrument or first port to computer or second port and updating a computer file. However Price et al, in his method and apparatus for Biological fluid analyte concentration measurement using generalized distance outlier detection, taught an apparatus for biological fluid analyte concentration measurement (Price col 8 line 55). Therefore, it would have been obvious to one having ordinary skill in the art at the time invention was made to incoporate the apparatus which analyte or determine concentration of body fluid taught by Price into the Farrelly's hand-held device in order to ultilize the communication between the computer control the data from body fluid to hand held device.

As per claims 8-10, Farrelly-Price taught the computer of hand held computer (Farrelly col 2line 1) and updating or modification (Farrelly col 16 line 64).

As per claims 29 and 30, Farrelly -Price taught the body fluid (Continued on Supplemental Sheet.)

VI. Certain documents cited

1. Certain	published	documents	(Rule	70.10)
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Application No. Patent No.	Publication Date (day/month/year)	Filing Date (day/month/year)	Priority date (valid claim) (day/month/year)
US,A, 5,606,164	25 FEBUARY 1997	16 JANUARY 1996	NONE
US, A, 5,630,664	20 MAY 1997	20 DECEMBER 1995	NONE
US, A, 5,361,336	01 NOVEMBER 1994	21 NOVEMBER 1991	NONE
US, A, 5,368,562	29 NOVEMBER 1994	30 JULY 1993	NONE
US, A, 4,637,403	20JANUARY 1987	14 JUNE 1985	08 APRIL 1985
US, A, 5,619,991	15 APRIL 1997	26 APRIL 1995	NONE

2. Non-written disclosures (Rule 70.9)

Kind of non-written disclosure

Date of non-written disclosure (day/month/year)

Date of written disclosure referring to non-written disclosure (day/ month/ year)

INTERNATIONAL PRELITARY EXAMINATION REPORT

Sun	nlem	enta	1 Box

(To be used when the space in any of the preceding boxes is not sufficient)

Continuation of: Boxes I - VIII

Sheet 10

V. 2. REASONED STATEMENTS - CITATIONS AND EXPLANATIONS (Continued): such as blood (Price col 1 line 42); fiber optic and modem as the inherent features of hand held computer.

US 5,570,682 A (JOHNSON) 05 November 1996 US 4,696,309 A (STEPHAN) 29 September 1987 US 4,383,534 A (PETERS) 17 May 1983 Express Mail No.: EM466245092US

09/555718



REQUEST

For receiving Office use only	
International Application No.	
International Filing Date	
Name of receiving Office and "PCT International Application"	

The undersigned requests that the present -international application be processed according to the Patent Cooperation Treaty. Applicant's or agent's file reference 5727-29185 (if desired) (12 characters maximum) TITLE OF INVENTION Box No. 1 INSTRUMENT SETUP UTILITY PROGRAM Box No. II APPLICANT Name and address: (Family name followed by given name: for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence is indicated below. This person is also inventor. of residence is indicated below.) ROCHE DIAGNOSTICS CORPORATION Telephone No. 9115 Hague Road (317) 845-2000 Indianapolis, IN 46250 Facsimile No. US (317) 576-2883 Teleprinter No. State (that is, country) of nationality: State (that is, country) of residence: US This person is applicant all designated States except the United States of America all designated States the United States for the purposes of: the States indicated in of America only the Supplemental Box Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S) Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant: sState (that is, country) of residence is indicated below. This person is: of residence is indicated below.) applicant only BATMAN, Carol Jane applicant and inventor 5318 Ochs Avenue Indianapolis, IN 46254 inventor only (If this check-box is marked, do not fill in below.) State (that is, country) of nationality: State (that is, country) of residence: US This person is applicant all designated all designated States except the United States of America for the purposes of: the United States of America only the States indicated in the Supplemental Box States Further applicants and/or (further) inventors are indicated on a continuation sheet. Box No. IV AGENT OR COMMON REPRESENTATIVE: OR ADDRESS FOR CORRESPONDENCE The person identified below is hereby/has been appointed to act on behalf of the applicant(s) before the competent International Authorities as: agent common representative Name and address: (Family name followed by given name: for a legal enting full official designation. The address must include postal code and name of country.) Telephone No CONARD, Richard D. (317) 236-1313 BARNES & THORNBURG ll South Meridian Street Facsimile No. Indianapolis, IN 46204 (317) 231-7433 US Teleprinter No.

Address for correspondence: Mark this check-box where no agent or common representative is has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent. Form PCT/RO/101 (first sheet) (July 1998)

Continuation of Box No. 111 HER APPLICANT(S) AND/OR (FURTHER) IN ENTOR(S)			
If none of the following sub-boxes is used, this sheet should not be included in the request.			
Name and address: Family name followed by given name, for a designation. The address must include postal code and name of coundaress indicated in this Box is the applicant s State tina: is, country of residence is indicated below.			
BYRD, Nancy Kennedy 9758 Chaldean Circle Fishers, IN 46038	xx applicant and inventor		
us	inventor only (If this check-box is marked, do not fill in below.)		
State (that is, country) of nationaling:	State (that is, country) of residence:		
This person is applicant all designated all designated	US		
for the purposes of: States the United St	States except the United States the States indicated in the Supplemental Box		
Name and address: (Family name followed by given name: for a lassignation The address must include postal code and name of cour address indicated in this Box is the applicant s State (that is, country, of residence is indicated below.)			
	applicant only		
DISHOP, Timothy J. 4924 Long Canon Place	KX applicant and inventor		
Fort Wayne, IN 46804	inventor only (If this check-box		
	is marked, do not fill in below.j		
State (that is, country) of nationality: US	State (tinal is. country) of residence: US		
This person is applicant for the purposes of: all designated the United States all designated.	the United States the States indicated in the Supplemental Box		
Name and address: (Family name followed by given name: for a le designation. The address must include postal code and name of count address indicated in this Box is the applicant s State (that is, country) of residence is indicated below.	gal entity: full official The country of the Tresidence if no State This person is:		
DZADO, Michael Daniel	applicant only		
1754 CR 60 Garrett, IN 46738	x applicant and inventor		
US	inventor only (If this check-box is marked, do not fill in below.)		
State (that is, country) of nationality:	State (that is, country) of residence:		
US	US		
This person is applicant for the purposes of: all designated States. all designated States. the United State	tates except so of America the United States the States indicated in the Supplemental Box		
Name and address: (Family name followed by given name: for a leg designation. The address must include postal code and name of country address indicated in this Box is the applicant's State (that is, country) of residence is indicated below.			
HENDERSON, Les G.	applicant only		
6345 East 226th Street	XX applicant and inventor		
Cicero, IN 46034 US	inventor only (If this check-box is marked, do not fill in below i		
State (that is, country) of nationality US	tate (that is, country) of residence:		
This person is applicant all designated all designated States all designated States	ates except of America X the United States the States indicated in the Supplemental Box		
X Further applicants and or (further) inventors are indicated on another continuation sheet.			

Shee	: No 3 .	
Continuation of Box No. III HER APPLICANT(S) AND/OR (FURTHER)	INTOR(S)
If none of the following sub-boxes is use	d. this sheet should not be	included in the request.
Name and address: Family name followed by given name. Joi designation. The address must include postal code and name of address indicated in this Box is the applicant is State (that is, cour of residence is indicated below.) HOPKINSON, Patricia A. HRC #1, Box 11 Lake Placid, NY 12946 US	r a lega! enun full official	
State (that is, country) of nationality: US	State (that is, country, US	of residence:
This person is applicant for the purposes of: all designated all designated the United	states of America	the United States the States indicated in the Supplemental Box
Name and address: (Family name followed by given name: for designation. The address must include postal code and name of coaddress indicated in this Box is the applicant is State (that is, count of residence is indicated below.) MOAK, Stephen E. 411 Inwood Drive Fort Wayne, IN 46815 US	a legal entity. Jull official ounity. The country of the country of the cry) of residence if no State	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, ao not fill in below.)
State (that is, country) of nationality: JS	State (that is, country) US	of residence:
This person is applicant all designated ali designate for the purposes of:	d States except thates of America X of	e United States America only the States indicated in the Supplemental Box
Name and address: (Family name followed by given name: for a designation. The address must include postal code and name of conditions in the address must include postal code and name of code as indicated in this Box is the applicant is State (that is country) residence is indicated below. PARKER, James R. 10807 Weston Drive Carmel, IN 46032-9321 US	iegal entin: full official inin: The country of the c) of restaence if no State	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.)
tate (that is, country) of nationality:	State (that is, country) of	f residence:
his person is applicant all designated all designated	US States excep: X the ates of America	United States the States indicated in
ame and address: Family name followed by given name: for a lesignation. The address must include postal code and name of cour daress indicated in this box is the applicant is State (that is, country) iresidence is indicated below. POLASKI, Frank M. 10732 Current Cove Fort Wayne, IN 46845	egal entity: full official	This person is: applicant only X applicant and inventor inventor only (If this check-box is marked, ao not fill in below)
ate <i>(that is, country)</i> of nationality.	State (ina: is, country) of US	residence:
is person is applicant all designated all designated the United States	States except the I	United States the States indicated in the Supplemental Box

Continuation of Box No. III				
Continuation of Box No. III RTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S) If none of the following sub-boxes is used, this sheet should not be included in the request.				
1 Name and address: (Fam.).				
Name and address: (Family name followed by given name, for a designation. The address must include postal code and name of code address indicated in this Box is the applicant a State (that is, country of residence is indicated below.) SHEARER, Atwell R. P.O. Box 165 Rome City, IN 46784 US	legal entity: full of unity: The country of a rof residence if no	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.)		
State (that is, country of nationality:				
US	US	unity) of residence:		
This person is applicant all designated for the purposes of: all designated the United States	States except ates of America	the United States of America only the States indicated in the Supplemental Box		
Name and address: (Family name followed by given name: for a le designation. The address must include postal code and name of coun address indicated in this Box is the applicant s State (that is, country) of residence is indicated below.) TETZLAFF, Tracy L. 5607 Elmer Street, Apt. 106 Pittsburgh, PA 15232 US	egal entity, full offic try: The country of of residence if no St	This person is: applicant only X applicant and inventor inventor only (If this check-box is marked, do not fill in below.)		
State (that is, country) of nationality:	State (that is, cour	May of residence.		
US	US	my) of residence:		
This person is applicant for the purposes of: all designated the United States all designated to the United States	tates except s of America	the United States the States indicated in the Supplemental Rev		
Name and address: (Family name followed by given name: for a leg designation. The address must include postal code and name of country address indicated in this Box is the applicant sistate (that is, country) of or residence is indicated below.) SLY, Lynne Denise 11334 Hickory Woods Drive Fishers, IN 46038 US	ral entity, full offici The country of the Fresidence if no State	are suppremental Box		
State (that is, country) of nationality:				
US	State (that is, count.	ry of residence:		
This person is applicant for the purposes of: all designated States all designated States	of America X	the United States of America only the States indicated in the Supplemental Box		
Name and address: (Family name followed by given name: for a legal designation. The address must include postal code and name of country address indicated in his Box is the applicant s State (that is, country) of residence is indicated below.) KLEM, Kurt Gerard 4325 Cold Spring Road Indianapolis, IN 46228 US	l entity, full official The country of the esidence if no State			
State (that is, country) of nationality. Sta	te (that is, country)	of residence:		
his person is applicable.	JS			
or the purposes of: States states the United States of	f America X	the United States of America only the States indicated in the Supplemental Box		
Further applicants and or (further) inventors are indicated on ano	other continuation s	heet.		

GENERAL POWER OF ATTORNEY

(for several international applications filed under the Patent Cooperation Tream)

(PCT Rule 90.5)

The undersigned person(s): (Family name followed by given name; for a legal ent	ity, full official designation. I -	The address must include postal code and name of coun
ROCHE DIAGI 9115 Hague Ros Indianapolis, IN US		ATION
hereby appoint(s) the following person as:	X agent	common representative
Name and address	- (!!	he address must include postal code and name of countr
COFFEY, William R.; HYLAND, Jerry E.; CONNIEDNAGEL, Timothy E.; BREEN, John P.; WKULKARNI, Dilip A.; QUICK, David B.; POWGILLENWATER, Bobby B.; HUNT, Paul B.; GRobert D.; MARTIN, Alice O.; all Appointed A.; BARNES & THORNBURG 11 South Meridian Street Indianapolis, IN 46204 US	NARD, Richard D.; LAM OODBURN, Jill L.; HAR LICK, Jill T.; PALAN, Po ZYBOWSKI, Michael S.	MERT, Steven R.; REZEK, Richard A.; RRISON, Nancy, J.; CARTER, R. Trevor;
to represent the undersigned before	X all the compe	etent International Authorities
•	_	nal Searching Authority only
		nal Preliminary Examining Authority only
in connection with any and all international application. US	ons filed by the undersigned	
and to make or receive payments on behalf of the unc	lersigned.	as receiving Offic
Signature(s) (where there are several persons, each of them must signs, if such capacity is not obvious from reading	i sign: next to each signature, indica ? this power);	tie the name of the person signing and the capazity in which the perso
Roche Roche Steve A. Oldham, Vice President, General Counsel, and Secretary	Date: <u>C</u> al D	09 02 99 Day / Month / Year

GENERAL POWER OF ATTORNEY

(for several international applications filed under the Patent Cooperation Treaty)

(PCT Rule 90.5)

The undersigned person(s): (Family name followed by given name; for a legal entity	ity, full official designation. The address must include postal code and name of coun
SLY, Lynne Denise	- Posia, coae and name of coun
11334 Hickory Woods Drive	B
Fishers, IN 46038	
US	,
hereby appoint(s) the following person as:	X agent common representative
NIEDNAGEL, Timothy E.; BREEN, Jo CARTER, R. Trevor; KULKARNI, Di POWLICK, Jill T.; PALAN, Perry	46204 All the competent International Authorities
	the International Searching Authority only
	the International Preliminary Examining Authority only
in connection with any and all international application	ons filed by the undersigned with the following Office
US	
and to make or receive payments on behalf of the unde	ersigned. as receiving Offic
Signature(s) (where there are several persons, each of them must si signs, if such capacity is not obvious from reading to	sign; next to each signature, indicate the name of the person signing and the capacity in which the perso this power):
Lynne Denise SLY	Date: $\frac{1}{2}/99$ Day/ Month/ Year

GENERAL POWER OF ATTORNEY

(for several international applications filed under the Patent Cooperation Treaty)

(PCT Rule 90.5)

The undersigned person(s): (Family name followed by given name; for a legal entity,	full official designation.	The address must include postal code at	nd name of country.
KLEM, Kurt Gerard			
4325 Cold Spring Road			•
Indianapolis, IN 46228			,
us			
hereby appoint(s) the following person as:	X agent	common representativ	ve
•	hn P.; WOODBURN ip A.; BARRY, M NEWMAN, Mark M 1 S.; GALLAGHER ess:	r, Steven R.; REZEK, Ri I, Jill L.; HARRISON, N Michael M.; QUICK, Davi M.; GILLENWATER, Bobby	chard A.; ancy J.; d B.; B.:
US to represent the undersigned before	all the compe	etent International Authorities	
		nal Searching Authority only	
		nal Preliminary Examining Authority	y only
in connection with any and all international applications	s filed by the undersione	d with the following Office	
US	o mee by me emerican		
and to make or receive payments on behalf of the under-	signed.	as	receiving Office
Signature(s) (where there are several persons, each of them must significantly signs, if such capacity is not obvious from reading the	gn; next to each signature, indica nis power):	же the name of the person signing and the capact	ity in which the person
Kurt Gerard KLEM		Date: 26 / Day/ Month/	SS Year



Date 04 December 1998 international Application William Unknown
Aπormey Docket No. 5727-29185

										<u> </u>
1.		Cert	ification unde	er 37 CFR 1.1	10 (if applicable)					
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t		MOI STO		il mailing numb	er		1 20		Deposit	ᅱ
•	Ihere	eby cert	ify that the appli	cation/correspo	ndence attached hereto is bei	og deposited w	ith the L	inited States F	Postal Service "Express Mail	
	Post (Office t	o Addrissee" se . Washington, D.	rvice under 37 C	CFR 1.10 on the date indicate	d above and is	address	sed to the Con	missioner of Patents and	
		Via	ry Ile	m) Est	bridge	Mary	Jea	n Eskr	idge	\neg
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										=
II.	لكا	New	International A	Application						
:	TITL	E.	INSTRUME	NT SETUI	P UTILITY PROG	RAM			Earliest priority date (Day/Month/Year)	
!									04.12.97	
	A .	applic other	ation for purpo purposes, the fo The invention di	ses of determin llowing inform sclosed was no	ORMATION: In order to sing whether a license for fo ation is supplied. (Note: ch t made in the United States.	reign transmi	ttal shou	ild and could	ng international be granted and for	
	B.	1	There is no prior	U.S. application	on relating to this invention.				•	
	C.	— ii	nternational app	lication. (NOT	ation(s) contain subject mat E. priority to these applica iot constitute a claim for pri	tions may or	elated to may not	the invention be claimed o	n disclosed in the attached in form PCT/RO/101	
ſ	applic	arion n	c. 60/067	,499		filed on	04	Decemb	er 1997	٦
Ī	appiic	ation n				filed on				┑
	D.	X T	he bresent inter	national applica	SUDSTANT	ally contains	ess subje	ect matter tha	in that found in the prior U.S.	
	-	a a	pplication(s) ide	ntified in parag	graph Cabove .	_ · · · · · · · · · · · · · · · · · · ·			a. a.a. toatio in ale prior 0.5.	
	E.		he present inter	national applica	ation 🔲 contains addition	al subject ma	itter not	found in the	prior U.S. application(s) ident	tific
	•				itional subject matter is four					
					MIGHT BE CONSIDE U. S. application to have be					
					nd 37 CFR 5.1. See 37 CFR				· • · · · · · · · · · · · · · · · · · ·	
III.		A Res	ponse to an Inv	itation from th	he RO/US. The following of	locument(s) i	s(are) en	nclosed:		
	A.		Request for Ar	Extension of I	Time to File a Response					
	B.	\Box	Power of Attor	mev (Generai o	r Regular)				•	
	C.	= .		-						
	С.	ָר רַ	leplacement pag	.55.	of the request (PCT/RO/)	01) 1			Matche Sauce	_
		Ļ	pages				┼		of the figures	-
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	D.		ubmission of Pr	,	11.5			,		_
		Pn	onty document			Priority do	cument	}		
1	E. Fees as specified on attached Fee Calculation sheet form PCT/RO/101 annex									
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V.		Other	(please identify)):						
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•.			Applica	nt	Richard D.	Conard	1		•	
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REQUEST

For receiving Office use only	
International Application No.	
International Filing Date	
Name of receiving Office and "PCT International Application"	

The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty.	Name of receiving Office and "PCT International Application" Applicant's or agent's file reference (if desired) (12 characters maximum) 5727-29185		
Box No. 1 TITLE OF INVENTION			
INSTRUMENT SETUP UTILITY PROGR	AM		
Box No. II APPLICANT			
Name and address: (Family name followed by given name: for designation. The address must include postal code and name of address indicated in this Box is the applicant's State (that is, cour of residence is indicated below.)	r a legal entin, full official country. The country of the ntry) of residence if no State	X This person is also inventor.	
BATMAN, Carol Jane		Telephone No.	
5318 Ochs Avenue		(317) 328-8218	
Indianapolis, IN 46254	•	Facsimile No.	
US			
		Teleprinter No.	
State (that is, country) of nationality: US	State (that is, country)	of residence:	
This person is applicant for the purposes of: All designated all design the Unite		the United States indicated in the Supplemental Box	
Box No. III FURTHER APPLICANT(S) AND/OR (FUR	RTHER) INVENTOR(S)		
Name and address: (Family name followed by given name: for designation. The address must include postal code and name of address indicated in this Box is the applicant is State (that is, coun of residence is indicated below.)	country. The country of the	This person is: applicant only	
BYRD, Nancy Kennedy 9758 Chaldean Circle		X applicant and inventor	
Fishers, IN 46038	investor only (Kehia abady have		
US		inventor only (If this check-box is marked do not fill in below.)	
State (that is, country) of nationality:	State (that is, country)	of residence:	
US	US		
		the States indicated in the Supplemental Box	
X Further applicants and or (further) inventors are indicate	d on a continuation sheet		
Box No. IV AGENT OR COMMON REPRESENTATIVE	E: OR ADDRESS FOR C	CORRESPONDENCE	
The person identified below is hereby/has been appointed to ac of the applicant(s) before the competent International Authoriti	t on behalf es as:	gent common representative	
Name and address: If amily name followed by given name. followed by given name. followed by given name.	r a legal entity, full official l code and name of country.)	Telephone No.	
CONARD, Richard D.		(317) 236-1313	
BARNES & THORNBURG	•	Facsimile No	
ll South Meridian Street		(217) 221 7422	
Indianapolis, IN 46204	(317) 231-7433 Teleprinter No.		
US			
Address for correspondence: Mark this check-box wher	e no agent or common repres	rentative is has been appointed and the	
space above is used instead to indicate a special address to	which correspondence shou	ald be sent.	
orm PCT.RO 101 (first sheet) (July 1998)		See Noies to the request form.	

Continuation of Box No. III CAURTHER APPLICANT(S) AND/OR (FURTHER) AVENTOR(S)				
If none of the following sub-boxes is used, th	nis sheet should not be included in the request.			
Name and address: (Family name followed by given name: for a ladesignation. The address must include postal code and name of cour address indicated in this Box is the applicant is State (that is, country, of residence is indicated below.) DISHOP, Timothy J. 4924 Long Canon Place Fort Wayne, IN 46804 US	nir. The country of the			
State (that is, country) of nationality:	State (that is, country) of residence:			
This person is applicant all designated for the purposes of:	States except the United States the States indicated in the Supplemental Box			
Name and address: (Family name followed by given name: for a leadersgnation. The address must include postal code and name of count address indicated in this Box is the applicant's State (that is, country) of residence is indicated below.) DZADO, Michael Daniel 1754 CR 60 Garrett, IN 46738 US	ning. The country of the			
State (that is, country) of nationality: US	State (that is, country) of residence: US			
This person is applicant for the purposes of: X all designated the United States all designated the United States				
Name and address: (Family name followed by given name: for a le designation. The address must include postal code and name of count address indicated in this Box is the applicant is State (that is country) of residence is indicated below.) HENDERSON, Les G. 6345 East 226th Street Cicero, IN 46034 US	in. The country of the			
State (that is, country) of nationality:	State (that is, country) of residence:			
This person is applicant all designated all designated	States except the United States the States indicated in			
for the purposes of: X States the United States	tes of America of America only the Supplemental Box			
Name and address: (Family name followed by given name: for a le designation. The address must include postai code and name of count address indicated in this Box is the applicant sState (that is, country) of residence is indicated below.) HOPKINSON, Patricia A. HRC #1, Box 11 Lake Placid, NY 12946 US	try. The country of the			
State (that is, country) of nationality.	State (tha: is. country) of residence:			
US This person is applicant for the purposes of: X States all designated the United States	US States except the United States the States indicated in			

Continuation of Box No. IN FURTHER APPLICANT(S) AND/OR (FURTHER, VENTOR(S)			
If none of the following sub-boxes is used, th	is sheet should not be included in the request.		
Name and address: (Family name followed by given name, for a ladesignation. The address must include postal code and name of coun address indicated in this Box is the applicant is State (that is, country) of residence is indicated below.) MOAK, Stephen E. 411 Inwood Drive Fort Wayne, IN 46815 US	itn: The countri of the		
State (that is, country) of nationality:	State (that is, country) of residence:		
US	US		
This person is applicant for the purposes of: X all designated the United States all designated the United States	States except the United States the States indicated in the Supplemental Box		
Name and address: (Family name followed by given name: for a le designation. The address must include postal code and name of coun address indicated in this Box is the applicant s State (that is, country) of residence is indicated below.) PARKER, James R. 10807 Weston Drive Carmel, IN 46032-9321 US	This person is: The country of the of residence if no State This person is: applicant only X applicant and inventor inventor only (If this check-box is marked, do not fill in below.)		
State (that is, country) of nationality: US	State (that is, country) of residence: US		
This person is applicant for the purposes of: All designated the United States all designated the United States.			
Name and address: (Family name followed by given name: for a le designation. The address must include postal code and name of count address indicated in this Box is the applicant is State (that is, country) of residence is indicated below. POLASKI, Frank M. 10732 Current Cove Fort Wayne, IN 46845 US	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.)		
State (that is, country) of nationality: US	State (that is, country) of residence: US		
This person is applicant for the purposes of: X all designated the United States all designated the United States	States except		
Name and address: (Family name followed by given name: for a leasignation. The address must include postal code and name of count address indicated in this Box is the applicant is State (that is, country) of residence is indicated below. SHEARER, Atwell R. P.O. Box 165 Rome City, IN 46784 US	ry The country of the		
State tthat is, country of nationality:	State (tha: is. country) of residence:		
This person is applicant all designated all designated	US		
for the purposes of: All designated all designated the United States			
Further applicants and or (further) inventors are indicated on	another continuation sheet.		

Continuation of Box No. FURTHER APPLICANT(S) AND/OR (FURTHE NVENTOR(S)			
If none of the following sub-boxes is used, the	is sheet should not be included in the request.		
Name and address: 'Family name followed by given name. for a designation The address must include postal code and name of cou address indicated in this Box is the applicant is State (that is, country of residence is indicated below.) TETZLAFF, Tracy L. 121 West Hamilton Fort Wayne, IN 46804 US	ntry. The country of the		
State (that is, country) of nationality:	State (that is, country) of residence:		
This person is applicant all designated all designated	States except the United States the States indicated in		
for the purposes of: X an designated the United States an designated the United States	ates of America only the Supplemental Box		
Name and address: (Family name followed by given name: for a l designation. The address must include postal code and name of cour address indicated in this Box is the applicant's State (that is, country) of residence is indicated below.)	This person is: The country of the control of the		
State (that is, country) of nationality:	State (that is, country) of residence:		
This person is applicant for the purposes of: all designated the United States all designated the United States	States except the United States the States indicated in the Supplemental Box		
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This person is applicant all designated for the purposes of: all designated the United States	States except the United States the States indicated in the Supplemental Box		
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State tinat is, country) of nationality:	State (tna: is, country) of residence:		
This person is applicant all designated for the purposes of:	States except the United States the States indicated in the sof America only the Supplemental Box		
Further applicants and or (further) inventors are indicated or	n another continuation sheet.		

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OF STATES

The following designations are hereby made under Rule 4.9(a) mark the applicable check-boxes: at least one must be marked):

Regional Patent

- AP ARIPO Patent: GH Ghana. GM Gambia. KE Kenya. LS Lesotho. MW Malawi. SD Sudan. SZ Swaziland. UG Uganda. ZW Zimbabwe. and any other State which is a Contracting State of the Harare Protocol and of the PCT
- EA Eurasian Patent: AM Armenia. AZ Azerbaijan. BY Belarus. KG Kyrgyzstan. KZ Kazakhstan. MD Republic of Moldova. RU Russian Federation. TJ Tajikistan. TM Turkmenistan. and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT
- EP European Patent: AT Austria. BE Belgium. CH and LI Switzerland and Liechtenstein. CY Cyprus. DE Germany. DK Denmark. ES Spain. FI Finland. FR France. GB United Kingdom. GR Greece. IE Ireland. IT Italy. LU Luxembourg. MC Monaco. NL Netherlands. PT Portugal. SE Sweden, and any other State which is a Contracting State of the European Patent Convention and of the PCT
- OA OAPI Patent: BF Burkina Faso. BJ Benin. CF Central African Republic. CG Congo. Cl Côte d'Ivoire. CM Cameroon. GA Gabon. GN Guinea. ML Mali. MR Mauritania. NE Niger. SN Senegal, TD Chad, TG Togo. and any other State which is a member State of QAPI and a Contracting State of the PCT (if other kind of protection or treatment desired, specify on dotted line) GW Guinea-Bissau

atio	nal Pa	atent (if other kind of protection or treatment desired.	speci	ifi on	dotted line):
X	AL	Albania	ΣX	LS	Lesotho
\mathbf{x}	AM	Armenia	\mathbf{K}	LT	Lithuania
X	ΑT	Austria	X	LU	Luxembourg
X	ΑU	Australia	X	LV	Latvia
X	ΑZ	Azerbaijan	X	MD	Republic of Moldova
X	BA	Bosnia and Herzegovina	X	MG	Madagascar
X	BB	Barbados	X	MK	The former Yugoslav Republic of Macedonia
X	BG	Bulgaria			
X	BR	Brazil	X	MN	Mongolia
X	BY	Belarus	X	MW	Malawi
\mathbf{X}	CA	Canada		MX	Mexico
X	CH:	and L1 Switzerland and Liechtenstein	X	NO	Norway
\square	CN	China		NZ	New Zealand
\square	CU	Cuba		PL	Poland
	CZ	Czech Republic	X	PT	Portugal
X	DE	Germany	X	RO	Romania
X	DK	Denmark	\mathbf{X}	RU	Russian Federation
\Box	EE	Estonia	X	SD	Sudan
□	ES	Spain	\mathbf{X}	SE	Sweden
X	Fl	Finland	\mathbf{X}	SG	Singapore
□	GB	United Kingdom	X	SI	Slovenia
\mathbf{X}	GE	Georgia	X	SK	Słovakia
X	GH	Ghana	\mathbf{X}	SL	Sierra Leone
X	GM	Gambia	\mathbf{X}	TJ	Tajikistan
XX	XXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	\mathbf{X}	TM	Turkmenistan
X	HR	Croatia	\mathbf{x}	TR	Turkey
Ŗ	ΗU	Hungary	\mathbf{x}	TT	Trinidad and Tobago
Ŗ	ID	Indonesia	\mathbf{x}	UA	Ukraine
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\Box	JP	Japan			•••••
X	KE	Kenya	\mathbf{x}	ĽZ	Uzbekistan
X	KG	Kyrgyzstan	\mathbf{x}		Viet Nam
X	КP	Democratic People's Republic of Korea	\mathbf{x}	YU	Yugoslavia
			X	ZW	Zimbabwe
X	KR	Republic of Korea	Che	ck-bo	exes reserved for designating States (for the purposes of
X	ΚZ	Kazakhstar	a na	itiona	patent) which have become party to the PCT after of this sheet:
X	LC	Saint Lucia	155U		
X	LK	Sri Lanka	X	.GD	Grenada
X	LR	Liberia			

Precautionary Designation Statement: In addition to the designations made above, the applicant also makes under Rule 4.9(b) all other designations which would be permitted under the PCT except any designation(s) indicated in the Supplemental Box as being excluded from the scope of this statement. The applicant deciares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit. (Confirmation of a designation consists of the filing of a notice specifying that designation and the payment of the designation and confirmation fees. Confirmation must reach the receiving Office within the 15-month time limit.)

Sheet No. 6 . . .

Box No. VI PRIORIT	IM		Further pr	riorit ms are indicated	in the Supplemental Box.				
Filing date		Number		Where earlier application is:					
of earlier application (day/month year)	of ear	lier application	national application:	regional application:* regional Office	international application receiving Office				
(04.12.97) 04 December		067,499	US						
item (2)									
item (3)					·				
of the earlier applica	tion(s) (only i	the earlier app	smit to the International E lication was filed with th the receiving Office) ident	e Office which for the	(1)				
* Where the earlier application Convention for the Protection	ion is an ARIPO	application, it is Property for which	mandatory to indicate in the	Supplemental Box at least of filed (Rule 4.10(b)(iii) See	one country party to the Paris Supplemental Box.				
		ARCHING AU		, , , , , , , , , , , , , , , , , , ,	Supplement				
Choice of International S (if two or more International competent to carry out the in the Authority chosen: the tw	il Searchine Ainternational sec	uthorities are se	equest to use results of earch has been carried out by ate (day/month/year)	arlier search: reference or requested from the Intern Number	to that search (if an earlier ational Searching Authority): Country (or regional Office)				
ISA / US									
Box No. VIII CHECK	LIST: LANC	GUAGE OF FIL	ING						
This international applicat the following number of		This internatio	nal application is accomp	anied by the item(s) mark	ed below:				
request	6	! —	signed power of attorney						
description (excluding sequence listing part)	: 15	; —	general power of attorney		y:				
claims	: 4	4. stateme	nt explaining lack of signa	ature	•				
abstract	1	5. priority	document(s) identified in	Box No. VI as item(s):					
drawings	44	6. 🔲 translati	on of international applic	ation into (language):					
sequence listing part of description	. 0	7. 🔲 separate	indications concerning d	eposited microorganism o	r other biological material				
Total number of sheets	70	8. nucleoti 9 X other (s)	de and/or amino acid sequ Transmitt Decify: Return Po	uence listing in computer tal Letter to ostal Card					
Figure of the drawings was should accompany the abs	chich stract:	L ir	anguage of filing of the stemational application:	nguage of filing of the mational application: English					
Box No. IX SIGNATU	RE OF APP	LICANT OR A	GENT						
Nexi 10 each signature, indicate				signs (if such capacity is not ou	bvious from reading the request).				
Richard D. Conard, Agent for Applicants									
Date of actual receipt of international application			receiving Office use only		2. Drawings:				
timely received papers	3. Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application.								
corrections under PCT	4. Date of timely receipt of the required corrections under PCT Article 11(2):								
5. International Searching (if two or more are con	Authority IS		until sea	ittal of search copy delaye arch fee is paid.	d				
Date of receipt of the receipt by the International Burea	ord copy	For Int	ernational Bureau use onl	y					

POWER OF ATTORNEY

(for an international application filed under the Patent Cooperation Treaty)

(PCT Rule 90.4)

The undersigned applicant(s) (Names should be indicated	d as the	y appear in	the reque.	st):			
BATMAN, Carol Jan 5318 Ochs Avenue Indianapolis, IN 462: US		b		·	·	· -	
handa and the fall and a					•		
hereby appoints (appoint) the following person as:	LXI	agent		□ "	mmon repres	entative	
Name and address (Family name followed by given name: for a legal entity, full CONARD, Richard D.; COFFEY, William R.; HYL. NIEDNAGEL, Timothy E.; BREEN, John P.; WOOD KULKARNI, Dilip A.; BARRY, Michael M.; QUICI Mark M.; GILLENWATER, Bobby B.; HUNT, Paul B.; Robert D.; all Appointed Agents at the Address: BARNES & THORNBURG 11 South Meridian Street Indianapolis, Indiana 46204 US	BURN K, Dav	I, Jill L., H id B., POV	ARRISO: VLICK, J	N, Nancy, ill T., PA	, J.; CARTE LAN, Perry	R, R. Trevor; ; NEWMAN,	ntry
to represent the undersigned before	\mathbf{x}	all the com	anetent In	tematianal	Aushāristas		
to represent the undersigned before		an the con	npetent in	temanonar	Authorities		
		the Interna	tional Sea	arching Au	thority only		
		the Interna	itional Pre	liminary B	xamining Au	thority only	•
in connection with the international application identified	below:						
Title of the invention: INSTRUME	NT S	ETUP U	TILIT	Y PRO	GRAM		
Applicant's or agent's file reference: International application number (if alr		27–291 vailable):		บร98/	25850		
•••			, 101,	,			
filed with the following Office US and to make or receive payments on behalf of the undersig	ned.					as receiving Offi	ice
Signature of the applicant(s) (where there are several applicant the capacity in which the person signature							; and
·						÷	
						*	
bard Jane Batton		Date:	10	12	98		
Carol Jane BATMAN			Day/	Month	/ Year		

POWER OF ATTORNEY

(for an international application filed under the Patent Cooperation Treaty)

(PCT Rule 90.4)

ſ									
The unders	signed applicant(s) (Ne	ames should be indicat	ited as the	y appear	in the requi	est):			
				<i>,</i>	•••			•	
	BY	RD, Nancy Kenn	nedv	ė					•
		8 Chaldean Circl	•						
		hers, IN 46038	.0	*		•	,		
i e	US	•						4	
p.	•				• -				
	oints (appoint) the foll	owing person as:	x	agent			common repre	esentative	
Name and									
NIEDNAGE KULKARN Mark M.; GI	EL, Timothy E.; BRI VI, Dilip A.; BARRY ILLENWATER, Bobb Ill Appointed Agents		DBURN, CK, Davi	I, Jill L.; F id B.; PO	HARRISON DWLICK, Jii	N, Nanc ill T., P.	cy, J.; CARTE ALAN, Perry	ER, R. Trevo. y, NEWMAN	or; N,
		THORNBURG							
•	11 South Men	ndian Street Indiana 46204							
	US	IICIana 40204							•
to represent t	the undersigned before		X	all the c	ompetent In	iternation	nal Authorities		
				the Inter	mational Ser	erching /	Authority only	-	
			_				•		
				the Inter	national Pre	liminary	y Examining A	uthority only	
in connection	with the international	l application identified	d below:						
	Title of the inventi	ion: INSTRUME	ent si	ETUP '	UTILIT	Y PR	OGRAM		
	•	·							•
	Applicant's or age	nt's file reference:	572	27-293	185		•		
	International appli	ication number (if alr	ready av:	ailable):	PCT/	US98,	/25850	-	
	following Office	บร					,	receivi	- 06504
		behalf of the undersig	gned.					_ 25 Teceivii	ng Office
ionature of t	the annlicant(s) (when	st samuel madian			. •				
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POWER OF ATTORNEY

(for an international application filed under the Patent Cooperation Treaty)

			
The undersigned applicant(s) (Names should be indicate	ed as they appear i	n the request):	
DISHOP, Timothy J. 4924 Long Canon Pla Fort Wayne, IN 4680 US			
hereby appoints (appoint) the following person as:	X agent	common repre	esentative
Name and address			
(Family name followed by given name: for a legal entity, full CONARD, Richard D.; COFFEY, William R.; HYLL NIEDNAGEL, Timothy E.; BREEN, John P.; WOOD KULKARNI, Dilip A.; BARRY, Michael M.; QUICH Mark M.; GILLENWATER, Bobby B.; HUNT, Paul B.; Robert D.; all Appointed Agents at the Address: BARNES & THORNBURG 11 South Meridian Street Indianapolis, Indiana 46204 US)BURN, Jill L.; HA K, David B.; POW	ARRISON, Nancy, J.; CARTE VLICK, Jill T.; PALAN, Perry	ER, R. Trevor; r; NEWMAN,
to represent the undersigned before	X all the con	mpetent International Authorities	
		national Searching Authority only	
		ational Preliminary Examining A	
in connection with the international application identified	below:		
TOTAL COLOR		TILITY PROGRAM	
Applicant's or agent's file reference:	5727-291	.85	
International application number (if alre	eady available):	PCT/US98/25850	
filed with the following Office US and to make or receive payments on behalf of the undersign	ned.		as receiving Office
Signature of the applicant(s) (where there are several applicants) the capacity in which the person sig	s, each of them must sig gns, if such capacity is t	gn: next to each signature, indicate the na not obvious from reading the request or thi.	une of the person signing and is power):
Timothy I District	Date:	16 / 02 / 199 Day/ Month/ Year	19
Timothy J. DISHOP		Day/ Month/ Year	•

POWER OF ATTORNEY

(for an international application filed under the Patent Cooperation Treaty)

	The undersigned applicant(s) (Names should be indicated as they appear in the request):
	DZADO, Michael Daniel 1754 CR 60 Garrett, IN 46738 US
	hereby appoints (appoint) the following person as: X agent common representative
	Name and address (Family name followed by given name: for a legal entity, full official designation. The address must include postal code and name of country CONARD, Richard D.; COFFEY, William R.; HYLAND, Jerry E.; LAMMERT, Steven R.; REZEK, Richard A.; NIEDNAGEL, Timothy E.; BREEN, John P.; WOODBURN, Jill L.; HARRISON, Nancy, J.; CARTER, R. Trevor; KULKARNI, Dilip A.; BARRY, Michael M.; QUICK, David B.; POWLICK, Jill T.; PALAN, Perry; NEWMAN, Mark M.; GILLENWATER, Bobby B.; HUNT, Paul B.; GZYBOWSKI, Michael S.; GALLAGHER, Gerald T.; NULL, Robert D.; all Appointed Agents at the Address: BARNES & THORNBURG 11 South Meridian Street Indianapolis, Indiana 46204 US
	to represent the undersigned before X all the competent International Authorities
	the International Searching Authority only
	the International Preliminary Examining Authority only
į	in connection with the international application identified below:
	Title of the invention: INSTRUMENT SETUP UTILITY PROGRAM
	Applicant's or agent's file reference: 5727-29185
	International application number (if already available): PCT/US98/25850
	iled with the following Office US as receiving Office nd to make or receive payments on behalf of the undersigned.
S	ignature of the applicant(s) (where there are several applicants, each of them must sign; next to each signature, indicate the name of the person signing and the capacity in which the person signs, if such capacity is not obvious from reading the request or this power);
<i>\</i>	Mudrael Daniel DZADO Date: 16 Feb 99 Day/ Month/ Year

POWER OF ATTORNEY

(for an international application filed under the Patent Cooperation Treaty)

The undersigned applicant(s) (Names should be indicated as they appear in the request):	
HENDERSON, Les G. 6345 East 226th Street Cicero, IN 46034 US	
hereby appoints (appoint) the following person as: X agent common representative	
Name and address (Family name followed by given name: for a legal entity, full official designation. The address must include postal code and not CONARD, Richard D.; COFFEY, William R.; HYLAND, Jerry E.; LAMMERT, Steven R.; REZEK, Richard NIEDNAGEL, Timothy E.; BREEN, John P.; WOODBURN, Jill L.; HARRISON, Nancy, J.; CARTER, R. Tre KULKARNI, Dilip A.; BARRY, Michael M.; QUICK, David B.; POWLICK, Jill T.; PALAN, Perry, NEWM Mark M.; GILLENWATER, Bobby B.; HUNT, Paul B.; GZYBOWSKI, Michael S.; GALLAGHER, Gerald T.; NI Robert D.; all Appointed Agents at the Address: BARNES & THORNBURG 11 South Meridian Street Indianapolis, Indiana 46204 US	evor, IAN,
to represent the undersigned before X all the competent International Authorities	
the International Searching Authority only	
the International Preliminary Examining Authority or	nly
in connection with the international application identified below:	
Title of the invention: INSTRUMENT SETUP UTILITY PROGRAM	٠.
Applicant's or agent's file reference: 5727-29185	
International application number (if already available): PCT/US98/25850	
filed with the following Office US as received and to make or received payments on behalf of the undersigned.	eiving Office
Signature of the applicant(s) (where there are several applicants, each of them must sign: next to each signature, indicate the name of the petit the capacity in which the person signs. If such capacity is not obvious from reading the request or this power):	uson signing and
Date: 12 DAY 1999 Day/ Month/ Year	

POWER OF ATTORNEY

(for an international application filed under the Patent Cooperation Treaty)

The undersigned applicant(s) (Names should be indicated as they appear in the request):
HOPKINSON, Patricia A
HRC #1, Box 11
Lake Placid, NY 12946
US
hereby appoints (appoint) the following person as:
Name and address
(Family name followed by given name: for a legal entity, full official designation. The address must include postal code and name of country. CONARD, Richard D.; COFFEY, William R.; HYLAND, Jerry E.; LAMMERT, Steven R.; REZEK, Richard A.; NIEDNAGEL, Timothy E.; BREEN, John P.; WOODBURN, Jill L.; HARRISON, Nancy, J.; CARTER, R. Trevor; KULKARNI, Dilip A.; BARRY, Michael M.; QUICK, David B.; POWLICK, Jill T.; PALAN, Perry, NEWMAN, Mark M.; GILLENWATER, Bobby B.; HUNT, Paul B.; GZYBOWSKI, Michael S.; GALLAGHER, Gerald T.; NULL, Robert D.; all Appointed Agents at the Address: BARNES & THORNBURG 11 South Meridian Street Indianapolis, Indiana 46204 US
to represent the undersigned before X all the competent International Authorities
the International Searching Authority only
the International Preliminary Examining Authority only
in connection with the international application identified below:
Title of the invention: INSTRUMENT SETUP UTILITY PROGRAM
Applicant's or agent's file reference: 5727-29185
International application number (if already available): PCT/US98/25850
filed with the following Office US as receiving Office
and to make or receive payments on behalf of the undersigned.
Signature of the applicant(s) (where there are several applicants, each of them must sign: next to each signature, indicate the name of the person signing and the capacity in which the person signs, if such capacity is not obvious from reading the request or this power):
Patricia A. HOPKINSON Date: 4/2/99 Day// Month/ Year
•

POWER OF ATTORNEY

(for an international application filed under the Patent Cooperation Treaty)

The undersigned applicant(s) (Names should be indicated to	is they appear in the request):	
MOAK, Stephen E. 411 Inwood Drive Fort Wayne, IN 4681: US	;	
hereby appoints (appoint) the following person as:	X agent comm	on representative
Name and address (Family name followed by given name; for a legal entity, full of CONARD, Richard D.; COFFEY, William R.; HYLA NIEDNAGEL, Timothy E.; BREEN, John P.; WOODE KULKARNI, Dilip A.; BARRY, Michael M.; QUICK Mark M.; GILLENWATER, Bobby B.; HUNT, Paul B.; G. Robert D.; all Appointed Agents at the Address: BARNES & THORNBURG 11 South Meridian Street Indianapolis, Indiana 46204 US	ND, Jerry E.; LAMMERT, Steven R.; URN, Jill L.; HARRISON, Nancy, J.; David B.; POWLICK, Jill T.; PALA)	REZEK, Richard A.; CARTER, R. Trevor; N. Perry: NEWMAN
to represent the undersigned before	X all the competent International Au	thorities
	the International Searching Author	ity only
	the International Preliminary Exam	nining Authority only
in connection with the international application identified be	ow:	
Title of the invention: INSTRUMENT	SETUP UTILITY PROGR	AM
Applicant's or agent's file reference: International application number (if alread	5727-29185 ly available): PCT/US98/ 25	.850
filed with the following Office US and to make or receive payments on behalf of the undersigne		as receiving Office
Signature of the applicant(s) (where there are several applicants, e the capacity in which the person signs	ach of them must sign; next to each signature, indi if such capacity is not obvious from reading the red	icate the name of the person signing and quest or this power):
Stephan & Mont	Date: $\frac{4 /6/2//3}{\text{Day/ Month/}}$	999
Stephen E. MOAK	Day/ Month/	Year



(for an international application filed under the Patent Cooperation Treaty)

	applicant(s) (Names show	iia be inaicatea	as they appear	in the request):	•	
	PARKER	James R.				
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	US	40032-932	5 1			
	US					
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				٠ _	•	
hereby appoints (a	ppoint) the following pe	rson as:	X agent	Ĺ	common repre	sentative
Name and address	· ·					
(Family name follow	wed by given name; for a l	iegal entity, full o	fficial designati	on. The address	must include postal	code and name of count
CONARD, Richa	wed by given name: for a lard D., COFFEY, Willi	iam R., HYLA	ND, Jerry E.;	LAMMERT, S	steven R.; REZEI	C, Richard A.;
NIEDNAGEL, Tir	mothy E.; BREEN, Joh	m P.; WOODE	BURN, Jill L.; I	HARRISON, 1	Vancy, J.; CARTE	R, R. Trevor,
KULKARNI, Dili	p A.; BARRY, Micha	el M., QUICK	, David B.; PC	WLICK, Jill T	:; PALAN, Pe ny	, NEWMAN,
	WATER, Bobby B.; HU		ZYBOWSKI, 1	Michael S.; GA	LLAGHER, Gen	ald T., NULL,
	ointed Agents at the A		-		•	
-	BARNES & THORNI					
	11 South Meridian Str		•			
	Indianapolis, Indiana	46204		•		
Ì	US					•
to represent the und	lersigned before		X all the c	ompetent Intern	national Authorities	
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in connection with t	the international applica	tion identified be	_			
in connection with t	the international applicat	tion identified be	elow:			
		tion identified be	elow:	UTILITY		
Tith	e of the invention:	NSTRUMEN'	elow:	UTILITY		
Title App	e of the invention: I	NSTRUMEN	T SETUP	UTILITY 185	PROGRAM	
Title App	e of the invention:	NSTRUMEN	T SETUP	UTILITY 185		
Title App Inte	e of the invention: I licant's or agent's file rnational application n	NSTRUMEN reference:	T SETUP	UTILITY 185	PROGRAM	
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Title App Inte filed with the follow and to make or recei	e of the invention: I clicant's or agent's file rnational application n ring Office ive payments on behalf of	NSTRUMEN reference: tumber (if alrea US of the undersigne	T SETUP 5727-29 dy available):	UTILITY 185 PCT/US	PROGRAM 398/25850	_ as receiving Office
Title App Inte	e of the invention: I clicant's or agent's file rnational application n ring Office ive payments on behalf of policant(s) (where there are	reference: number (if alrea US of the undersigne	slow: T SETUP 5727-29 Idy available): ed.	UTILITY 185 PCT/US	PROGRAM 398/25850	as receiving Office
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Title App Inte filed with the follow and to make or recei	e of the invention: I clicant's or agent's file rnational application n ring Office ive payments on behalf of policant(s) (where there are	reference: number (if alrea US of the undersigne	slow: T SETUP 5727-29 ady available): ed. each of them must is, if such capacity if	UTILITY 185 PCT/US sign: next to each is not obvious from to	PROGRAM 398/25850 signature, indicate the meading the request or the	as receiving Office
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Title App Inte filed with the follow and to make or recei	e of the invention: I clicant's or agent's file rnational application n ring Office ive payments on behalf of policant(s) (where there are	reference: number (if alrea US of the undersigne	slow: T SETUP 5727-29 ady available): ed. each of them must is, if such capacity if	UTILITY 185 PCT/US sign: next to each is not obvious from to	PROGRAM 598/25850	as receiving Office



POWER OF ATTORNEY

(for an international application filed under the Patent Cooperation Treaty)

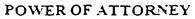
The undersigned applicant(s) (Names should be indicated of	as the	y appear in the reques	<i>:</i> ():	
POLASKI, Frank M. 10732 Current Cove Fort Wayne, IN 46845 US	5			
hereby appoints (appoint) the following person as:	x	agent	common repres	sentative
Name and address (Family name followed by given name; for a legal entity, full of CONARD, Richard D.; COFFEY, William R.; HYLAN NIEDNAGEL, Timothy E.; BREEN, John P.; WOODB! KULKARNI, Dilip A.; BARRY, Michael M.; QUICK, Mark M.; GILLENWATER, Bobby B.; HUNT, Paul B.; GZ Robert D.; all Appointed Agents at the Address: BARNES & THORNBURG 11 South Meridian Street Indianapolis, Indiana 46204 US	BURN, , David	. Jill L.; HARRISON, d B.; POWLICK, Jill	, Nancy, J.; CARTE T.: PALAN. Perry:	R, R. Trevor; : NEWMAN
to represent the undersigned before	X	all the competent Inte	mational Authorities	
		the International Search		
		the International Preli		athority only
in connection with the international application identified be	:low:			
		TUP UTILITY	PROGRAM	
Applicant's or agent's file reference:	572	27-29185		
International application number (if alread	dy avs	ilable): PCT/U	S98/25850	
filed with the following Office US and to make or receive payments on behalf of the undersigned	:d.		<u> </u>	as receiving Office
Signature of the applicant(s) (where there are several applicants, ea the capacity in which the person signs,	each of a	hem must sign; next to each	h signature, indicate the nav n reading the request or this	me of the person signing and i power):
Frank M. POLASKI		Date: /6/ Day/ N	2 /1999 Month/ Year	





(for an international application filed under the Patent Cooperation Treaty)

≥d as they appear in	the request):	
R. 84		
X agent	common repre	esentative
		•
DBURN, Jill L.; HA CK, David B.; POW	ARRISON, Nancy, J.; CARTI VLICK. Jill T.: PALAN Perrs	ER, R. Trevor;
X all the com	npetent International Authorities	
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	TILITY PROGRAM	
5727-2918	85	
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s. each of them must sign gns, if such capacity is no	v: next to each signature, indicate the na n obvious from reading the request or thi	me of the person signing and spower):
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Datc.	16/2/99 Day/ Month/ Year	
	X agent I official designation. AND, Jerry E., LA DBURN, Jill L., HA K, David B., POW GZYBOWSKI, Mi X all the com the Internation the Internation below: NT SETUP UT 5727-2918 Pady available): I each of them must sign must if such capacity is not	A agent common representation of the address must include postal AND, Jerry E.; LAMMERT, Steven R.; REZED BURN, Jill L.; HARRISON, Nancy, J.; CARTI K, David B.; POWLICK, Jill T.; PALAN, Perry GZYBOWSKI, Michael S.; GALLAGHER, Ger the International Searching Authorities the International Preliminary Examining At the International Preliminary Examining At the International Preliminary Examining At Seady available): PCT/US98/25850 and a cach of them must sign: next to each signature, indicate the name, if such capacity is not obvious from reading the request or this Date:



(for an international application filed under the Patent Cooperation Treaty)

The undersigned applicant(s) (Names should be indicate	ed as they appear in	the request):	
*				
	TETZLAFF, Tracy	L.		
,	5607 Elmer Stree	t		
	Apt. 106			•
		15232		
	US			
hereby appoints (appoint) the	following person as:	X agent	common repr	esentative
Name and address	•			
NIEDNAGEL, Timothy E. KULKARNI, Dilip A., B. Mark M., GILLENWATER Robert D., all Appointed A BARNE 11 South	; BREEN, John P.; WOO ARRY, Michael M.; QUI , Bobby B.; HUNT, Paul B.	DBURN, Jill L.; H. CK, David B.; POV	The address must include posta AMMERT, Steven R., REZI ARRISON, Nancy, J.; CAR' VLICK, Jill T.; PALAN, Per ichael S.; GALLAGHER, G	TER, R. Trevor, 1y, NEWMAN,
to represent the undersigned b	pefore -	X all the con	npetent International Authoritie	:S .
•		the Internal	utional Searching Authority onl	v
			aronal Sourching Additionly on	,
•		the Interna	tional Preliminary Examining	Authority only
in connection with the interna	tional application identified	l below:		
Title of the in	vention: INSTRUME	NT SETUP U	TILITY PROGRAM	
Applicant's o	r agent's file reference:	5727-291	85	
International	application number (if al	ready available):	PCT/US98/25850	·
filed with the following Office and to make or receive paymer		gned.		as receiving Office
Signature of the applicant(s)	(where there are several applica	ns each of them must see	n: next to each signature, indicate the	name of the nervon viewing and
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Time Attet		Date:	10/2/1999	
Tracy V TETZI XFF			Day/ Month/ Yea	r
ridey E. IEIZEPQI		-		

09/555718

PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY				
To: RICHARD D. CONARD BARNES & THORNBURG 11 SOUTH MERIDIAN STREET INDIANAPOLIS, IN 46944 BY TATE WAY 17 1999 CHE BARNES & THORNBURG DASS BARNES & THORNBURG	PCT MOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT OR THE DECLARATION (PCT Rule 44.1)			
BARNES	Date of Mailing (day/month/year) 11 MAY 1999			
Applicant's or agent's file reference 5727-29185	FOR FURTHER ACTION See paragraphs 1 and 4 below			
International application No. PCT/US98/25850	International filing date (day/montb/year) 04 DECEMBER 1998			
Applicant BATMAN, CAROL JANE				
1. X The applicant is hereby notified that the international	search report has been established and is transmitted herewith.			
Filing of amendments and statement under Article				
When? The time limit for filing such amendme	nts is normally 2 months from the date of transmittal of the more details, see the notes on the accompanying sheet.			
Where? Directly to the International Bureau of W 34, chemin des Colombett 1211 Geneva 20, Switzerl Facsimile No.: (41-22) 74	cs and			
For more detailed instructions, see the notes on	the accompanying sheet.			
2. The applicant is hereby notified that no international Article 17(2)(a) to that effect is transmitted herewith.	search report will be established and that the declaration under			
3. With regard to the protest against payment of (an)	additional fee(s) under Rule 40.2, the applicant is notified that:			
	as been transmitted to the International Bureau together with the the protest and the decision thereon to the designated Offices.			
no decision has been made yet on the protest;	the applicant will be notified as soon as a decision is made.			
4. Further action(s): The applicant is reminded of the following:				
Shortly after 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in rules 90 bis 1 and 90 bis 3, respectively, before the completion of the technical preparations for international publication.				
Within 19 months from the priority date, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later).				
	est perform the prescribed acts for entry into the national phase ed in the demand or in a later election within 19 months from the not bound by Chapter II.			
Name and mailing address of the ISA/US	Authorized officer			
Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231	ASTA, FRANK James R. Mallher			
1	L			

Facsimile No. (703) 305-3230

(703) 305-3817

Telephone No.

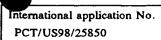


INTERNATIONAL SEARCH REPORT

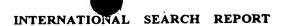
(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 5727-29185	FOR FURTHER 8	ee Notification of Form PCT/ISA/220	Transmittal of International Search Report 1) as well as, where applicable, item 5 below.
International application No.	International filing date	day/month/year)	(Earliest) Priority Date (day/month/year)
PCT/US98/25850	04 DECEMBER 1998		04 DECEMBER 1997
Applicant BATMAN, CAROL JANE			
This international search report has be according to Article 18. A copy is being the This international search report consists. X It is also accompanied by a	ng transmitted to the Internation of a total of $\frac{3}{2}$ sheets.	tional Bureau.	thority and is transmitted to the applicant eport.
1. Certain claims were found	unsearchable (See Box I).		
2. Unity of invention is lacking	ng (See Box II).		
3. The international application international search was carr			amino acid sequence listing and the
	filed with the international a	pplication.	
	furnished by the applicant se	parately from the	international application,
		•	ent to the effect that it did not include matter e international application as filed.
	transcribed by this Authority		
	the text is approved as subm		
5. With regard to the abstract,		•	
	the text is approved as subm	itted by the applic	ant.
		within one month fr	38.2(b), by this Authority as it appears in rom the date of mailing of this international ity.
6. The figure of the drawings to be	published with the abstract is	:	
Figure No. 1	as suggested by the applican	t.	None of the figures.
	because the applicant failed	to suggest a figure	
X	because this figure better ch	aracterizes the inv	ention.

INTERNATIONAL SEARCH REPORT



A. CLA	A. CLASSIFICATION OF SUBJECT MATTER IPC(6) :A61B 5/00				
US CL	US CL : 128/630				
	to International Patent Classification (IPC) or to both	n national classification and IPC			
	documentation searched (classification system follower	ed by classification symbols)			
U.S. :	128/630, 128/695, 128/770, 128/202.22, 395/275,		•		
0.5.	120/030, 120/073, 120/770, 120/202.22, 373/273,	230/339.09, 126/090, 004/03, 126/7/	,		
Documenta	tion searched other than minimum documentation to the	e extent that such documents are included	in the fields searched		
Electronic	data base consulted during the international search (n	ame of data base and, where practicable	e. search terms used)		
APS, Int			-,,		
C. DOC	CUMENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where a	ppropriate, of the relevant passages	Relevant to claim No.		
Y	US 5,361,336 A (ATCHISON) 01 No line 66-68, col 4line 29, col 6 line 42	ovember 1994, abstract, col 2	1-32		
Y	US 5,606,164 A (PRICE) 25 Februa	ry 1997, abstract	1-32		
Y US 5,619,991 A (SLOANE) 15 April 1997 col 6 line 15, col 8 line 46, 59			1-32		
A .	ay 1997	1-32			
A	US 4,637,403 A (GARCIA ET AL) 2	0 January 1987	1-32		
A,P	US 5,724,983 A (SELKER ET AL) 1	0 March 1998	1-32		
	·				
X Furth	her documents are listed in the continuation of Box C	See patent family annex.			
• Sp	ecial categories of cited documents:	"T" later document published after the inte date and not in conflict with the appl			
	cument defining the general state of the art which is not considered be of particular relevance	the principle or theory underlying the			
	rlier document published on or after the international filing date	"X" document of particular relevance; the considered novel or cannot be considered.			
cit	*L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other specifical case (as a specifical case of the specifical case of the specifical case of the claimed invention cannot be				
special reason (as specified) "O" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art					
	P document published prior to the international filing date but later than the priority date claimed document member of the same patent family				
	Date of the actual completion of the international search Date of mailing of the international search report				
08 APRIL 1999 11 MAY 1999					
Name and	Name and mailing address of the ISA/US Commissioner of Patents and Trademarks Authorized officer				
Box PCT					
1 -	No. (703) 305-3230	Telephone No. (70° 305-3817			



International application No. PCT/US98/25850

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
A	US 5,368,562 A (BLOMQUIST ET AL), 29 November 1994	1-32
A,P	US 5,735,285 (ALBERT ET AL), 07 April 1998	1-32
		,
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	4.	

From the INTERNATIONAL BUREAU

PCT

NOTIFICATION OF ELECTION

(PCT Rule 61.2)

United States Patent and Trademark

Office (Box PCT) Crystal Plaza 2 Washington, DC 20231 ÉTATS-UNIS D'AMÉRIQUE

To:

in its capacity as elected Office

Date of mailir	ı g (day/ı	month/year)
08 July	1999	(08.07.99)

International application No. PCT/US98/25850

International filing date (day/month/year) 04 December 1998 (04.12.98) Applicant's or agent's file reference 5727-29185

Priority date (day/month/year)
04 December 1997 (04.12.97)

Applicant

BATMAN, Carol, Jane et al

1.	The designated Office is hereby notified of its election made:
	X in the demand filed with the International Preliminary Examining Authority on:
	09 June 1999 (09.06.99)
	in a notice effecting later election filed with the International Bureau on:
2.	The election X was
·	was not
	made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

Form PCT/IB/331 (July 1992)

Facsimile No.: (41-22) 740.14.35

The International Bureau of WIPO 34, chemin des Colombettes

1211 Geneva 20, Switzerland

Authorized officer

C. Carrié

Telephone No.: (41-22) 338.83.38